



APPLICATION

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| LICATION NO.    | FILING DATE    | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.    | CONFIRMATION NO. |
|-----------------|----------------|----------------------|------------------------|------------------|
| 10/051,548      | 01/16/2002     | Sridevi Sarma        | F00526/70003 (GSE/IMH) | 9642             |
| 7:              | 590 03/23/2005 |                      | EXAMINER               |                  |
| Donald R. Ste   | inberg         |                      | DAVIS, GE              | ORGE B           |
| Hale and Dorr   | LLP            |                      |                        |                  |
| 60 State Street |                |                      | ART UNIT               | PAPER NUMBER     |

2129 DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| Application No.   Application Application   Application Application   Ap |   |  |  | t t |
|--|---|--|--|-----|
| Examiner   |   | Application No.  | Applicant(s)   |     |
| Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF this Communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  If the period for reply specified above is less than they (30) days, and provide the state atter of the period for reply specified above is less than they (30) days, and provided the state of the period for reply specified above. The manifering date of the communication.  If the period for reply specified above is less than they (30) days, and provided provided and the state of the period for reply specified above. The manifering date of this communication.  A preply received by the Office later than three months after the making date of this communication, even if threely field, may reduce this communication.  A preply received by the Office later than three months after the making date of this communication, even if threely field, may reduce this communication.  A proply received by the Office later than three months after the making date of this communication, even if threely field, may reduce this communication.  A proply reduced by the Office later than three months after the making date of this communication, even if threely field, may reduce this communication.  A proplication is FINAL.  2b)   |   | 10/051,548   | SARMA ET AL.   |     |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions din memylo be waited used the provisions of 37 CFR 1.736(s). In no event, however, may a reply be timely filled  Extensions of the reply separation used to the provisions of 37 CFR 1.736(s). In no event, however, may a reply be timely filled  If the period for reply separation used to reply separation of the period for separation of the period for for period for the peri  | Office Action Summary   | Examiner   | Art Unit   |     |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ∄ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  and STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ∄ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  and STATUTORY OF THIS COMMUNICATION.  and STATUTORY OF THIS COMMUNICATION.  If the period for onely specified above, the maximum statutory period will apply and will expire SIX (6) MONTH'S from the mailing date of this communication.  If the period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTH'S from the mailing date of this communication.  Any reply received by the Office for the thin there emplits after the mailing date of this communication, even if streety field, may reduce any search period to the statutory mailing the search is search and the search is search in the search is search and search is search in the search in the search is search in the search is search in the search in the search is search in the search is search in the search is search in the search in the search is  |   |  | I I  | •   |
| THE MAILING DATE OF THIS COMMUNICATION.  Editations of the mary be waited under the provision of 3°CPR 1.13(s). In no event, however, may a reply be timely filed after 53K (s) MCNTHS from the mailing date of this communication. a provided the start 53K (s) MCNTHS from the mailing date of this communication. Supply within the statisticy printing with the mailing date of this communication. It is not to reverse the provision of t |   | tion appears on the cover sheet wi   | th the correspondence address  |     |
| 1)   Responsive to communication(s) filed on 12 September 2003.   2a  This action is FINAL.   2b  This action is non-final.   3   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  | THE MAILING DATE OF THIS COMMUNICA  - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communic  - If the period for reply specified above is less than thirty (30) da  - If NO period for reply is specified above, the maximum statuto  - Failure to reply within the set or extended period for reply will,  Any reply received by the Office later than three months after the set of the set | TION. 7 CFR 1.136(a). In no event, however, may a reation. 19s, a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MON by statute, cause the application to become AB. | eply be timely filed  (30) days will be considered timely.  THS from the mailing date of this communication.  ANDONED (35 U.S.C. § 133). |     |
| 2a)  This action is FINAL. 2b)  This action is non-final.  3  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4  Claim(s) 1-114 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6  Claim(s) is/are allowed. 6  Claim(s) is/are objected. 7  Claim(s) is/are objected to. 8  Claim(s) is/are objected to. 8  Claim(s) is/are objected to by the Examiner. 10  The drawing(s) filed on is/are: all accepted or b) objected to by the Examiner. Application Papers  9  The specification is objected to by the Examiner. 10  The drawing(s) filed on is/are: all accepted or b objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.21(d). 11  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some coll None of: 1. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  | Status  |  |  |     |
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| Paper No(s)/Mail Date  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Notice of Informal Patent Application (PTO-152)   | Attachment(s)   |  |  |     |
|  | <ul> <li>2)</li></ul>   | 948) Paper No(s)<br>0/SB/08) 5) Notice of Inf  | /Mail Date formal Patent Application (PTO-152)   |     |

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1- 114 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 1-14 recite mathematical algorithm without concrete and tangible result directed to a practical application. Therefore, the claimed invention is non-statutory.

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Davis whose telephone number is (571) 272-3683. The examiner can normally be reached on Monday through Thursday from 8:00 am to 6:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight, can be reached on (571) 272-3687. The fax phone number for the organization where this application or proceeding is assigned is (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

March 19, 2005

GEORGE B. DAVIS
PRIMARY PATENT EXAMINER